

## Golgi Protein 73 (GP73) Recombinant Protein | GP73 recombinant protein

Recombinant Golgi Protein 73 (GP73)

|                               |                       |                                                                           |
|-------------------------------|-----------------------|---------------------------------------------------------------------------|
| CATALOG #<br><b>AAA135589</b> | HOST<br><b>E Coli</b> | APPLICATIONS<br><b>Immunoprecipitation, ELISA, Western Blot, SDS-Page</b> |
|-------------------------------|-----------------------|---------------------------------------------------------------------------|

### PRODUCT SYNONYMS

Golgi Protein 73 (GP73); Recombinant Golgi Protein 73 (GP73); GP73 recombinant protein

### PRODUCT SPECIFICATIONS

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                 | E Coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Purity/Purification                                  | > 95%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Form/Format                                          | Supplied as lyophilized form in PBS,pH7.4, containing 5% sucrose, 0.01% sarcosyl.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Sequence                                             | Thetargetp roteinisfu sedwithtwo N-terminal Tags,His-t agandGST-t ag,itssequ enceislist edbelow. <b>MSPILGYW KIKGLVQPTR LLEYLEEKY EEHLYERDEG DKWRNKKFEL GLEFPNLPYY IDGDVKLTQS MAIIRYIADK HNMLGGCPKE RAEISMLEGA VLDIRYGVSR IAYSKDFETL KVDFLSKLPE MLKMFEDRLC HKTYLNGDHV THPDFMLYDA LDVVLMDPM CLDAFPKLV FKKRIEAIQ IDKYLKSSKY IAWPLQGWQA TFGGDHPPK SDGSTSGSGH HHHHSAGLV PRGSTAIGMK ETAAAKFERQ HMDSPDLGTG GGSGIEGRGS MGYRGSEF-V LQDQLKTLQR NYGRLQQDVL QFQKNQTNLE RKFSYDLSQC INQMKEVKEQ CEERIEEVTK KGNEAVASRD LSENNDQRQQ LQALSEPQPR LQAAGLPHT E VPQG</b>                                                                      |
| Sequence Length                                      | 401                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Applicable Applications for GP73 recombinant protein | IP (Immunoprecipitation), ELISA, WB (Western Blot), SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Organism                                             | Homo sapiens (Human)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Expression System                                    | Prokaryotic expression                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Residues                                             | Val119~Gly223 (Accession # Q8NBJ4) with two N-terminal Tags, His-tag and GST-tag                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Subcellular Location                                 | Golgi apparatus, cis-Golgi network membrane; Single-pass type II membrane protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Endotoxin Level                                      | <1.0EU per 1ug (determined by the LAL method)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Predicted Isoelectric Point                          | 6.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Reconstitution                                       | Reconstitute in sterile PBS, pH7.2-pH7.4.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Preparation and Storage                              | Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months.<br>Stability Test: The thermal stability is described by the loss rate of the targetprotein. The loss rate was determined by accelerated thermal degradation test,that is, incubate the protein at 37 degree C for 48h, and no obvious degradation andprecipitation were observed. (Referring from China Biological Products Standard,which was calculated by the Arrhenius equation.) The loss of this protein is lessthan 5% within the expiration date under appropriate storage condition. |

IMAGES



SDS-PAGE



Sequence

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                    |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 29550838                                                                                                                           |
| NCBI GeneID                      | 51280                                                                                                                              |
| NCBI Accession #                 | NP_057632.2                                                                                                                        |
| NCBI GenBank Nucleotide #        | NM_016548.3                                                                                                                        |
| UniProt Accession #              | Q8NBJ4; Q6IAF4; Q9NRB9                                                                                                             |
| Molecular Weight                 | 44.6kDa                                                                                                                            |
| NCBI Official Full Name          | Golgi membrane protein 1                                                                                                           |
| NCBI Official Synonym Full Names | golgi membrane protein 1                                                                                                           |
| NCBI Official Symbol             | GOLM1                                                                                                                              |
| NCBI Official Synonym Symbols    | GP73; HEL46; GOLPH2; C9orf155; PSEC0257; bA379P1.3                                                                                 |
| NCBI Protein Information         | Golgi membrane protein 1; golgi protein, 73-kD; golgi phosphoprotein 2; golgi membrane protein GP73; epididymis luminal protein 46 |
| UniProt Protein Name             | Golgi membrane protein 1                                                                                                           |
| UniProt Gene Name                | <b>GOLM1</b>                                                                                                                       |
| UniProt Synonym Gene Names       | C9orf155; GOLPH2                                                                                                                   |
| UniProt Entry Name               | GOLM1_HUMAN                                                                                                                        |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.